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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/712,437	11/13/2003	Anders Bjorling	P03,0408	8716
26574 7	590 01/24/2005		EXAM	INER
SCHIFF HARDIN, LLP			MANUEL, GEORGE C	
PATENT DEP	ARTMENT			
6600 SEARS TOWER			ART UNIT	PAPER NUMBER
CHICAGO, IL 60606-6473			3762	
			DATE MAILED: 01/24/2005	

Please find below and/or attached an Office communication concerning this application or proceeding.

	Application No.	Applicant(s)			
	10/712,437	BJORLING ET AL.			
Office Action Summary	Examin r	Art Unit			
	George Manuel	3762			
Th MAILING DATE of this communication appears on the cover she t with the correspondence address Period for Reply					
A SHORTENED STATUTORY PERIOD FOR REPLY THE MAILING DATE OF THIS COMMUNICATION. - Extensions of time may be available under the provisions of 37 CFR 1.13 after SIX (6) MONTHS from the mailing date of this communication. - If the period for reply specified above is less than thirty (30) days, a reply - If NO period for reply is specified above, the maximum statutory period w - Failure to reply within the set or extended period for reply will, by statute, Any reply received by the Office later than three months after the mailing earned patent term adjustment. See 37 CFR 1.704(b).	36(a). In no event, however, may a reply be time within the statutory minimum of thirty (30) days will apply and will expire SIX (6) MONTHS from cause the application to become ABANDONE	ely filed s will be considered timely. the mailing date of this communication. O (35 U.S.C. § 133).			
Status					
1)⊠ Responsive to communication(s) filed on 20 A	oril 2004.				
	action is non-final.				
•					
Disposition of Claims					
 4) Claim(s) 1-20 is/are pending in the application. 4a) Of the above claim(s) is/are withdrawn from consideration. 5) Claim(s) is/are allowed. 6) Claim(s) 1-10 and 14-20 is/are rejected. 7) Claim(s) 11-13 is/are objected to. 8) Claim(s) are subject to restriction and/or election requirement. 					
Application Papers					
9) The specification is objected to by the Examine	r.	<i>;</i>			
10) The drawing(s) filed on is/are: a) accepted or b) objected to by the Examiner.					
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).					
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d). 11) The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.					
Priority under 35 U.S.C. § 119					
12) Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f). a) All b) Some * c) None of: 1. Certified copies of the priority documents have been received. 2. Certified copies of the priority documents have been received in Application No 3. Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)). * See the attached detailed Office action for a list of the certified copies not received.					
Attachment(s)					
1) Notice of References Cited (PTO-892) 4) Interview Summary (PTO-413) Paper No(s)/Mail Date					
 2) Notice of Draftsperson's Patent Drawing Review (PTO-948) 3) Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08) Paper No(s)/Mail Date 4/20/04. 		atent Application (PTO-152)			

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DETAILED ACTION

Claim Rejections - 35 USC § 103

The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negatived by the manner in which the invention was made.

Claims 1-10, 14-20 are rejected under 35 U.S.C. 103(a) as being unpatentable over Levine '645.

Levine discloses pacing in a first ventricle comprising the right ventricle and pacing in a second ventricle comprising the left ventricle. One of ordinary skill in the art would have found it obvious to pace the left ventricle substantially within the time interval for pacing the right ventricle because both ventricle pump at approximately the same time and one of ordinary skill in the art would have found it obvious to not pace the left ventricle during at least one time cycle because Levine teaches inhibiting stimulation in both ventricles. See 338 and 348 in Fig.7.

Further, one of ordinary skill in the art would have found it obvious to modify the

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delivery of left ventricle pacing upon detecting a signal indicative of an absence of capture by the right ventricle because Levine teaches If bi-atrial stimulation is delivered in a bipolar configuration across one electrode located in the right atrium and another electrode located in the left atrium, the stimulation energy could be high enough to inadvertently capture one or both ventricles simultaneously. Such cross-chamber capture is a highly undesirable situation in that the upper and lower chambers would contract against each other causing severe cardiac output perturbation.

Regarding claims 14 and 15, the time ranges represent obvious time intervals for initiating sensing and for sensing duration based on heart contractility.

Allowable Subject Matter

Claims 11-13 are objected to as being dependent upon a rejected base claim, but would be allowable if rewritten in independent form including all of the limitations of the base claim and any intervening claims.

Conclusion

The prior art made of record and not relied upon is considered pertinent to applicant's disclosure. Lu '545 teaches sensing an evoked response following a bipolar stimulation pulse for verifying capture.

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Any inquiry concerning this communication or earlier communications from the examiner should be directed to George Manuel whose telephone number is (571) 272-4952.

George Manue Primary Examine Art Unit: 3762

1/17/05